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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/927,547	08/13/2001	Masumi Kubo	829-583	7121
7590 04/16/2004			EXAMINER	
NIXON & VANDERHYE PC 1100 NORTH GLEBE ROAD			CHOWDHURY, TA	ARIFUR RASHID
8TH FLOOR			ART UNIT	PAPER NUMBER
ARLINGTON, VA 22201-4714			2871	

DATE MAILED: 04/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	09/927,547	KUBO ET AL.				
Office Action Summary	Examiner	Art Unit				
·	Tarifur R Chowdhury	2871				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	within the statutory minimum of thirty (30) daysill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 10 July 2003.						
,_	a) This action is FINAL . 2b) This action is non-final.					
3) Since this application is in condition for allowar closed in accordance with the practice under E						
Disposition of Claims						
4) ☐ Claim(s) 29-36 and 38-60 is/are pending in the 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 29-36 and 38-60 are subject to restrict	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>13 August 2001</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No. <u>09/220,792</u> . ed in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					
Notice of Draftsperson's Patent Drawing Review (P10-946) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)				

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DETAILED ACTION

Election/Restriction

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Species I: a liquid crystal display comprising a first electrode region (transmissive) having a thickness d1 and a second electrode region (reflective) having a thickness of d2, wherein the thickness d1 is substantially greater than d2 (claims 29, 31, 38-53, 57).

Species II: a liquid crystal display comprising a first electrode region (transmissive) having a thickness d1 and a second electrode region (reflective) having a thickness of d2 wherein the thickness d1 and d2 are defined by a relationship d1 + 2*d2 (claim 30).

Species III: a liquid crystal display wherein in at least one pixel only the second electrode overlaps at least a part of a channel area of a transistor with which the first and second electrode are in electrical communication (claims 32-36).

Species IV: a liquid crystal display device comprising a first transmissive conductor and a second reflective conductor having a wave –like surface shape and an insulation layer formed on the second reflective conductive layer having a wave-like surface shape (claim 54).

Species V: a liquid crystal display device wherein the liquid crystal layer has a retardation of α when a molecular axis of liquid crystal molecules in the liquid crystal layer is almost vertical with respect to the surface of the first and second substrates,

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and the first phase compensation element has a retardation which fulfills $\lambda/4$ - α condition (claim 55).

Species VI: a liquid crystal display device wherein the second phase compensation element is formed of a $\lambda/4$ wave plate, and a slower axis of the second phase compensation element matches one of a longer axis or a shorter axis of elliptically polarized light transmitted through the liquid crystal layer and incident on the second phase compensation element so as to convert the elliptically polarized light into linearly polarized light, and a transmission axis of the second polarizer is perpendicular to a polarizing axis of the linearly polarized light (claim 56).

Species VII: a liquid crystal display wherein the reflection means provided in the reflection region is in contact with the liquid crystal side of the transmission electrode (claim 58).

Species VIII: a liquid crystal display device wherein the reflection means provided in the reflection region is located at the periphery of the pixel region (claim 59).

Species IX: a liquid crystal display device wherein for each of the plurality of pixel regions, two transmission regions are provided in a single pixel region (claim 60).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim

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is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC April 13, 2004

TARIFUR R. CHOWDHUR